

FIG.1A

V_L sequence of the light chain of murine 44H104 mab:

ATG	GAC	ATG	AGG	GTT	CCT	GCT	CAC	GTT	GGC	TTC	TTG	CTG	TGG	TTT
MET	Asp	MET	Arg	Val	Pro	Ala	His	Val	Phe	Gly	Phe	Leu	Leu	Phe
CCA	GGT	ACC	AGA	TGT	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TTA
Pro	Gly	Thr	Arg	Cys	Asp	Ile	Gln	MET	Thr	Gln	Ser	Pro	Ser	TCT
GCC	TCT	CTG	GGA	CAA	AGA	GTC	AGT	CTC	ACT	TGT	CGG	GCA	AGT	CAG
Ala	Ser	Leu	Gly	Gln	Arg	Val	Ser	Leu	Thr	Cys	Arg	Ala	Ser	GAA
AGT	GGT	TAC	TTA	ACC	TGG	CTT	CAG	AAA	CCA	GAT	GGA	ACT	ATT	AAA
Ser	Gly	Tyr	Leu	Thr	Trp	Leu	Gln	Gln	Lys	Pro	Asp	Gly	Thr	Glu
CTG	GTC	TAC	GCC	GCG	TCC	ACT	TTA	GAT	TCT	GGT	GTC	CCA	AAA	AGG
Leu	Val	Tyr	Ala	Ala	Ser	Thr	Leu	Asp	Ser	Gly	Val	Pro	Lys	Arg
GGC	AGT	AGG	TCT	GGG	TCA	GAT	TAT	TCT	CTC	ACC	ATC	AGC	CTT	GAG
Gly	Ser	Arg	Ser	Gly	Ser	Asp	Tyr	Ser	Leu	Thr	Ile	Ser	Ser	TCT
GAA	GAT	TTT	GCA	GAC	TAT	TAC	TGT	CTA	CAA	TAT	ACT	AAT	TAT	CCG
Glu	Asp	Phe	Ala	Asp	Tyr	Tyr	Cys	Leu	Gln	Tyr	Thr	Asp	Tyr	Pro
TTC	GGT	GCT	GGG	ACC	AAG	CTG	GAG	CTG	AAA					ACG
Phe	Gly	Ala	Gly	Thr	Lys	Leu	Glu	Leu	Lys					

FIG. 1B

VH sequence of the heavy chain of murine 44H104 mab:

FIGURE 9A
A - Non-Reduced

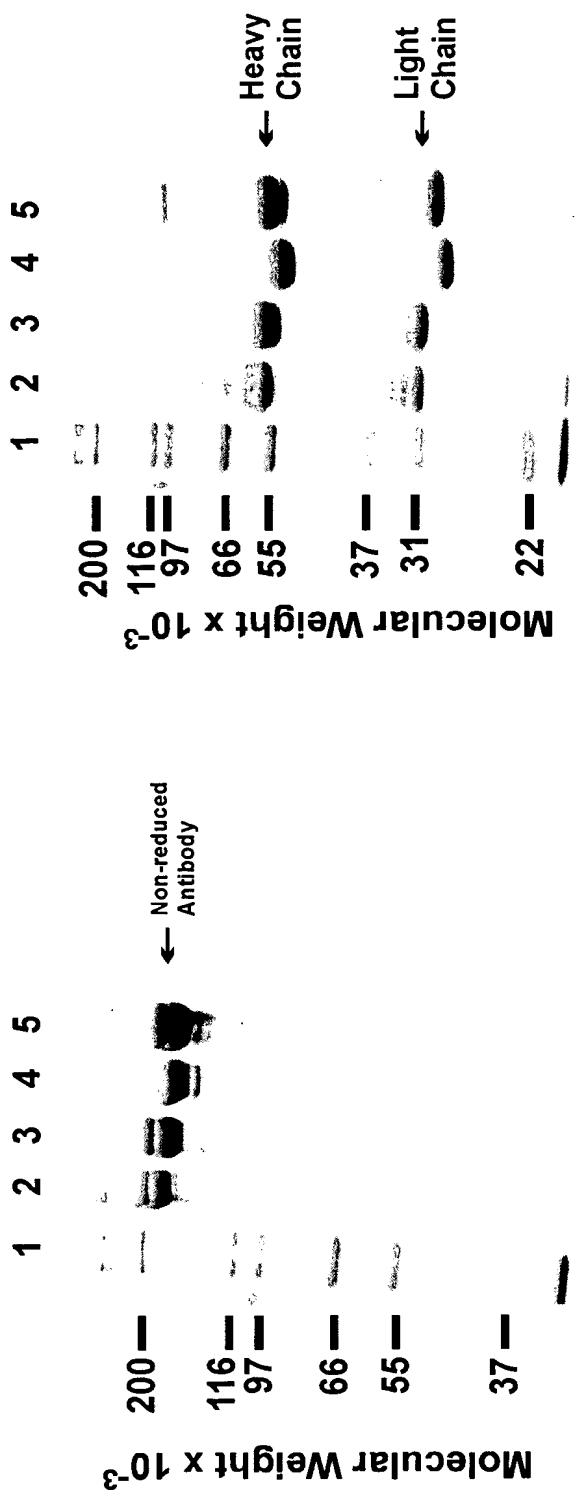
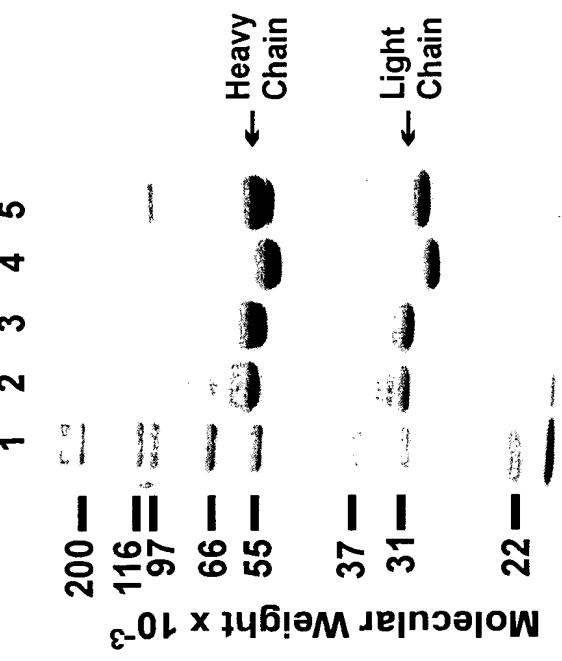


FIGURE 9B
B - Reduced



- Lane 1** Molecular weight standards
- Lane 2** Recombinant targeting antibody - Protein A purified
- Lane 3** Recombinant targeting antibody - gel filtration purified
- Lane 4** Mouse monoclonal antibody 44H104
- Lane 5** Human IgG₁

FIG.9.

FIGURE 10 A

A - Non-Reduced

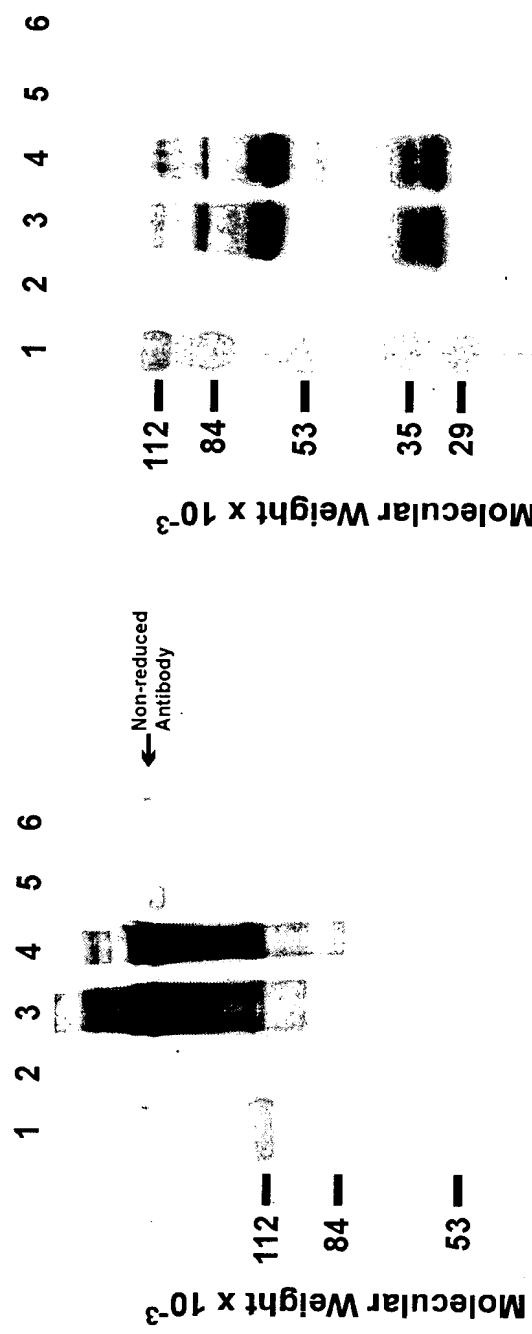
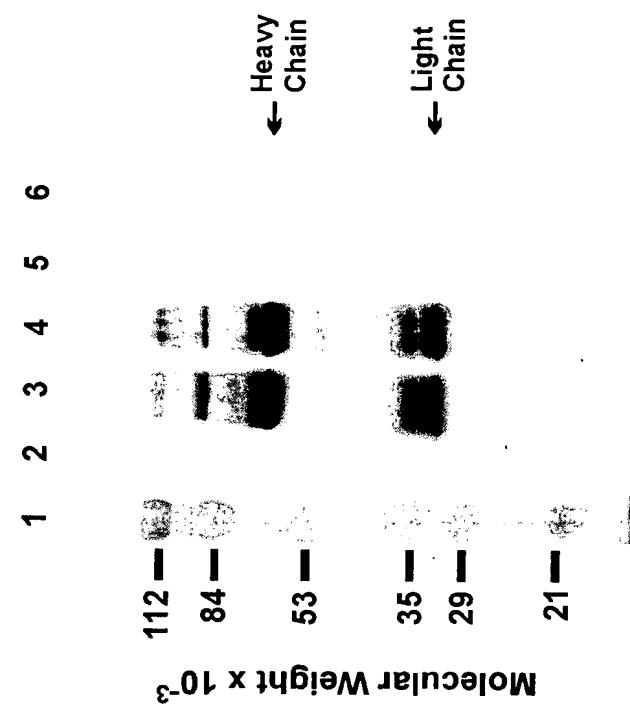


FIGURE 10 B

B - Reduced



Lane 1 Molecular weight standards

Lane 2 Blank lane

Lane 3 Recombinant targeting antibody - Protein A purified

Lane 4 Recombinant targeting antibody - gel filtration

purified

Lane 5 Mouse monoclonal antibody 44H104

Lane 6 Human IgG₁

FIG.10.

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

FIG.1A

VL sequence of the light chain of murine 44H104 mab:

ATG	GAC	ATG	AGG	GTT	CCT	GCT	CAC	GTT	TTT	GGC	TTC	TTG	CTG	TGG	TTT
MET	Asp	MET	Arg	Val	Pro	Ala	His	Val	Phe	Gly	Phe	Leu	Leu	'Trp	Phe
CCA	GGT	ACC	AGA	TGT	GAC	ATC	CAG	ATG	ACC	CAG	TCT	CCA	TCC	TTA	TCT
Pro	Gly	Thr	Arg	Cys	Asp	Ile	Gln	MET	Thr	Gln	Ser	Pro	Ser	Leu	Ser
GCC	TCT	CTG	GGA	CAA	AGA	GTC	AGT	CTC	ACT	TGT	CGG	GCA	AGT	CAG	GAA
Ala	Ser	Leu	Gly	Gln	Arg	Val	Ser	Leu	Thr	Cys	Arg	Ala	Ser	Gln	Glu
AGT	GGT	TAC	TTA	ACC	TGG	CTT	CAG	AAA	CCA	GAT	GGA	ACT	ATT	AAA	CGC
Ser	Gly	Tyr	Leu	Thr	Trp	Leu	Gln	Gln	lys	Pro	Asp	Gly	Thr	Ile	Lys
CTG	GTC	TAC	GCC	GCC	TCC	ACT	TTA	GAT	TCT	GGT	GTC	CCA	AAA	AGG	TTC
Leu	Val	Tyr	Ala	Ala	Ser	Thr	Leu	Asp	Ser	Gly	Val	Pro	Lys	Arg	Phe
GGC	AGT	AGG	TCT	GGG	TCA	GAT	TAT	TCT	CTC	ACC	ATC	AGC	CTT	GAG	TCT
Gly	Ser	Arg	Ser	Gly	Ser	Asp	Tyr	Ser	Leu	Thr	Ile	Ser	Ser	Leu	Glu
GAA	GAT	TTT	GCA	GAC	TAT	TAC	TGT	CTA	CAA	TAT	ACT	AAT	TAT	CCG	CTC
Glu	Asp	Phe	Ala	Asp	Tyr	Tyr	Tyr	Cys	Leu	Gln	Tyr	Asp	Tyr	Pro	Leu
TTC	GGT	GCT	GGG	ACC	AAG	CTG	GAG	CTG	AAA						
Phe	Gly	Ala	Gly	Thr	Lys	Leu	Glu	Leu							

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIGURE

VH sequence of the heavy chain of murine 44H104 mab:

BY	U.S. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

Assembly of gene encoding CLTB36

Amino acid seq. GPKEPFRDYVDRFYK NKRKRIHIGPGRAFYTTKN

Gene seq.
 GGTCTAAAGAACCTTTAGAGACTATGTTGATAGGGTTTA
 TAAGAATAAGAGGAAGAGGATACATATAGGGCCTGGT
 AGGGCTTTTATACTACTAAAGAATTAAATAA

FIG.2A

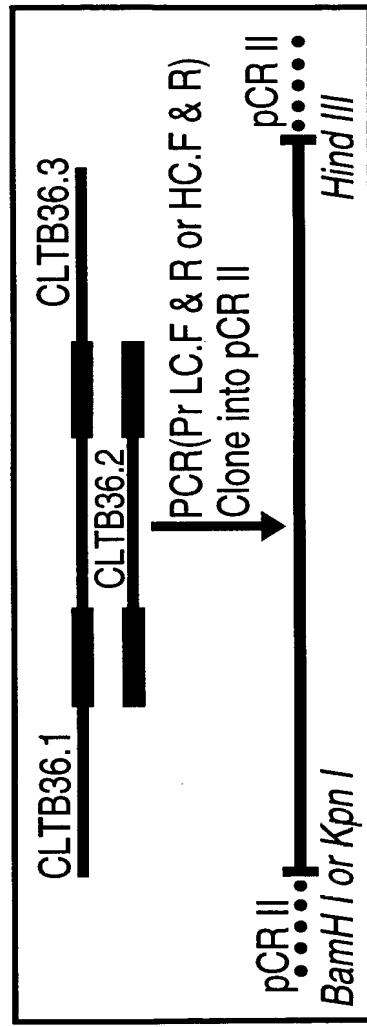


FIG.2B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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CLTB36.1 CATTATGGATCCGGTCCCTAAAGAACCTTTAGAGACTATGTTGAT
 AGGTTTTATAAGGAAT
 CLTB36.2 GCCCTTACCGGCCCTATATGTATCCTCTCTTATTCTTATAAA
 ACCTA
 CLTB36.3 AGGGCCTGGTAGGGCTTTTATACTACTAAGAATTAAATAAAAGCT
 TTAGCG

BamH I
 Pr LC.F CATTATGGATCCGGTCCCTAA*Kpn I*
Hind III
 Pr HC.F GTCAGGTACCCGGTCCCTAAAGAACCTTTAG*Hind III*
 Pr R GGCTAAAGCTTTATTAAATT*Kpn I*

FIG.2C

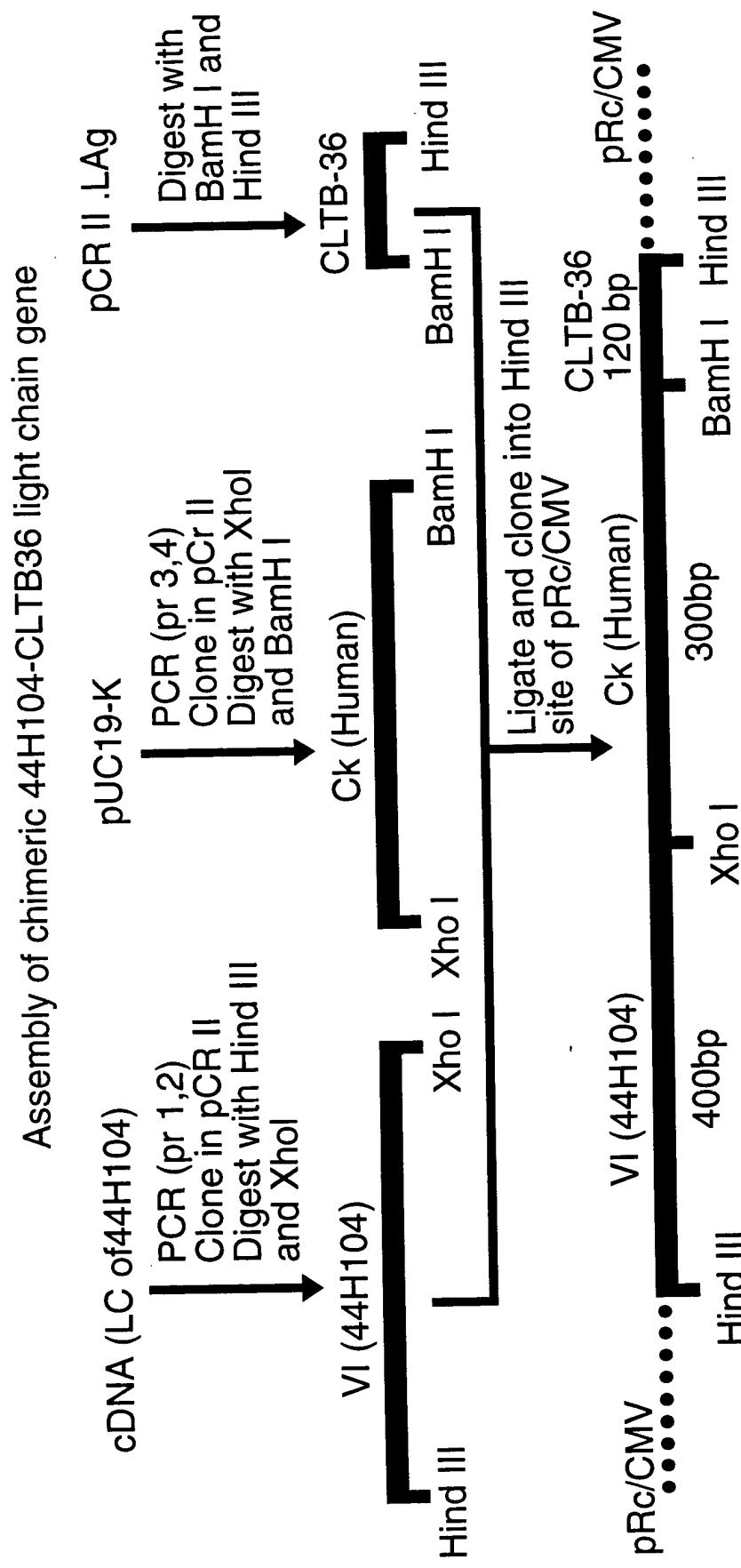


FIG. 3A

APPROVED	O.G. FIG.
BY	
DRAFTSMAN	CLASS SUBCLASS

Pr. 1 AGCCTAAGCTTCCGCCATGGACATGAGGGTTCCCTGCTC
Hind III

Pr. 2 CCGTTTCAGCTCGAGCTTGCTCCAGCACCGAA
Xho I

Pr. 3 CCTACTCGAGCTGAAACGGACTGGCTGGCTGCACCATCTGTC
Xho I

Pr. 4 ATTAAAGCTTTACTTAGGATCCACACTCCCCCTGTGAAGCTC
BamH I

FIG.3B.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

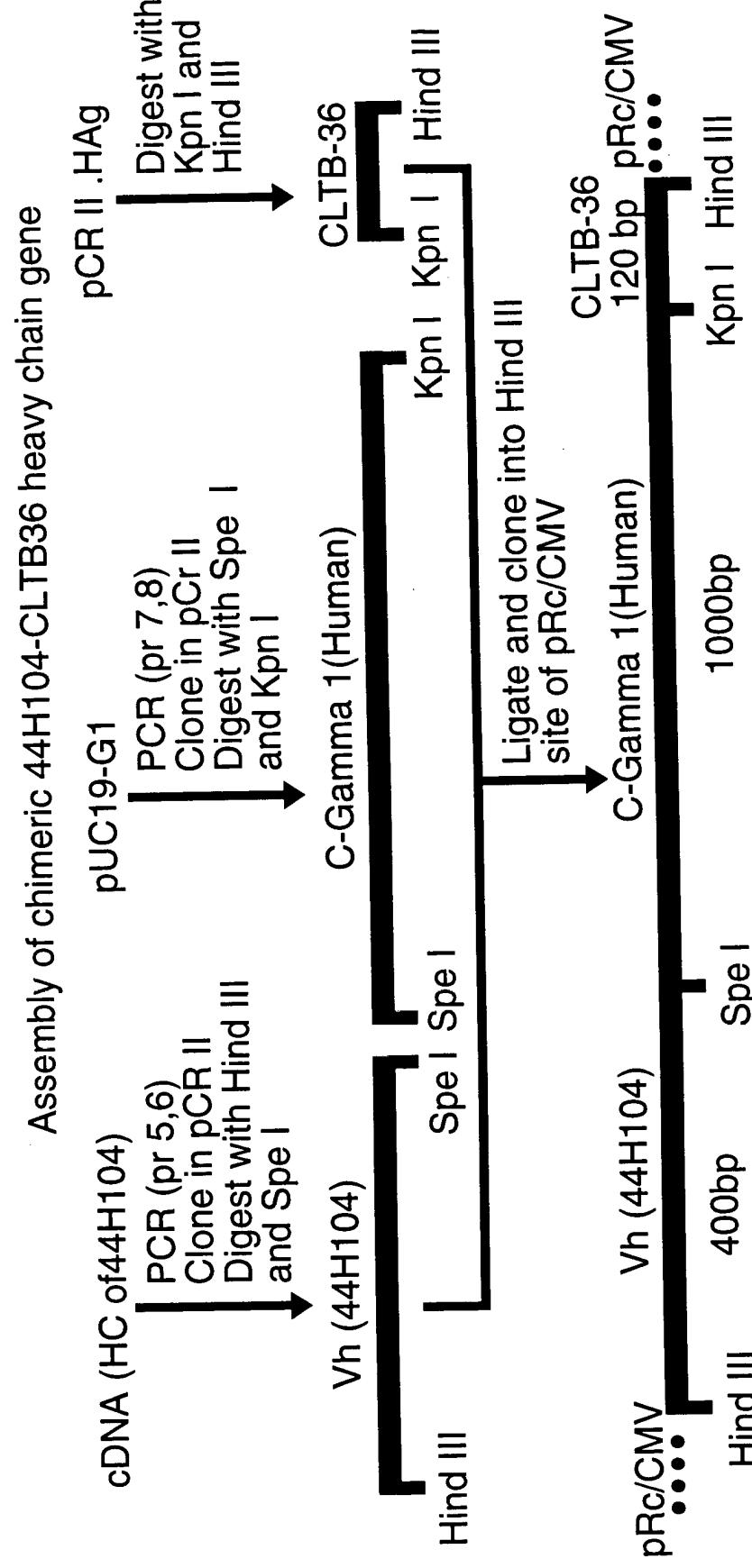


FIG.4A.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Pr. 5 AGCTAAGCTTCCGCCATGGCTCCTGGTACTGTTC
Hind III

Pr. 6 GCGCACTAGTTCCCTGACCCCCAGTAGTCC
Spe I

Pr. 7 GCGCACTAGTGTACCGCCCTCCCTCAGCCTCCACCAAGGGCCATCGGTCTTC
Spe I

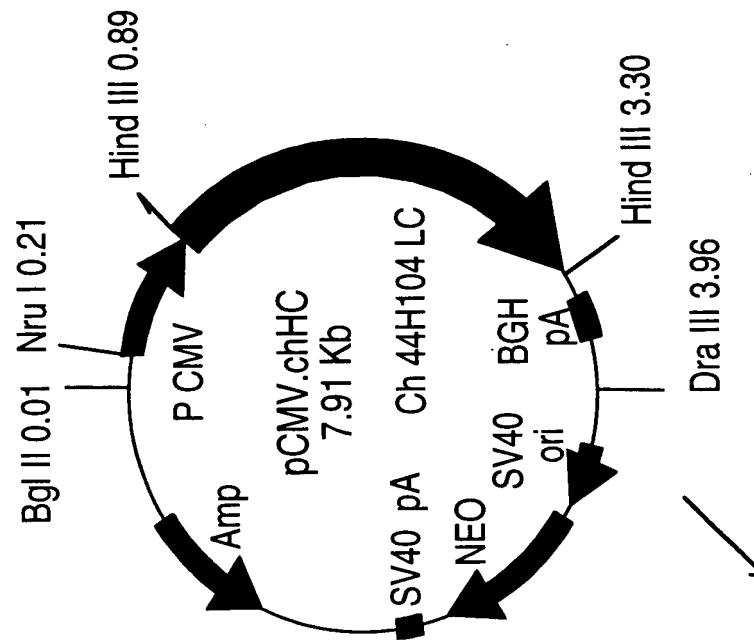
Pr. 8 ACGCAAGCTTACTAGGTACCTTTACCCGGAGACAGGGAGAG
Hind III

FIG. 4B.

APPROVED	O.G. FIG.
BY	
DRAFTSMAN	

Hind III fragment (ch. HC)
pRc/CMV cut with Hind III

Ligate



Hind III fragment (ch. LC)
pRc/CMV cut with Hind III

Ligate

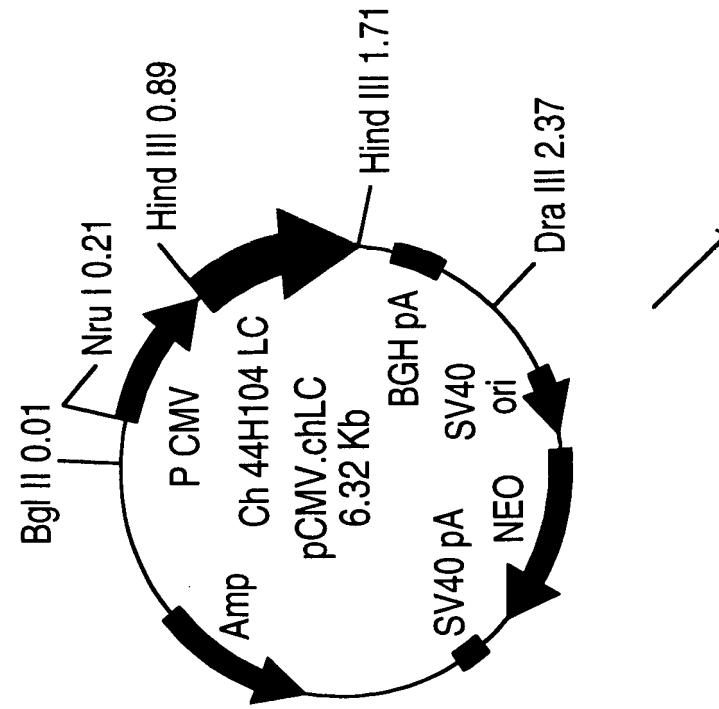


FIG.5A

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

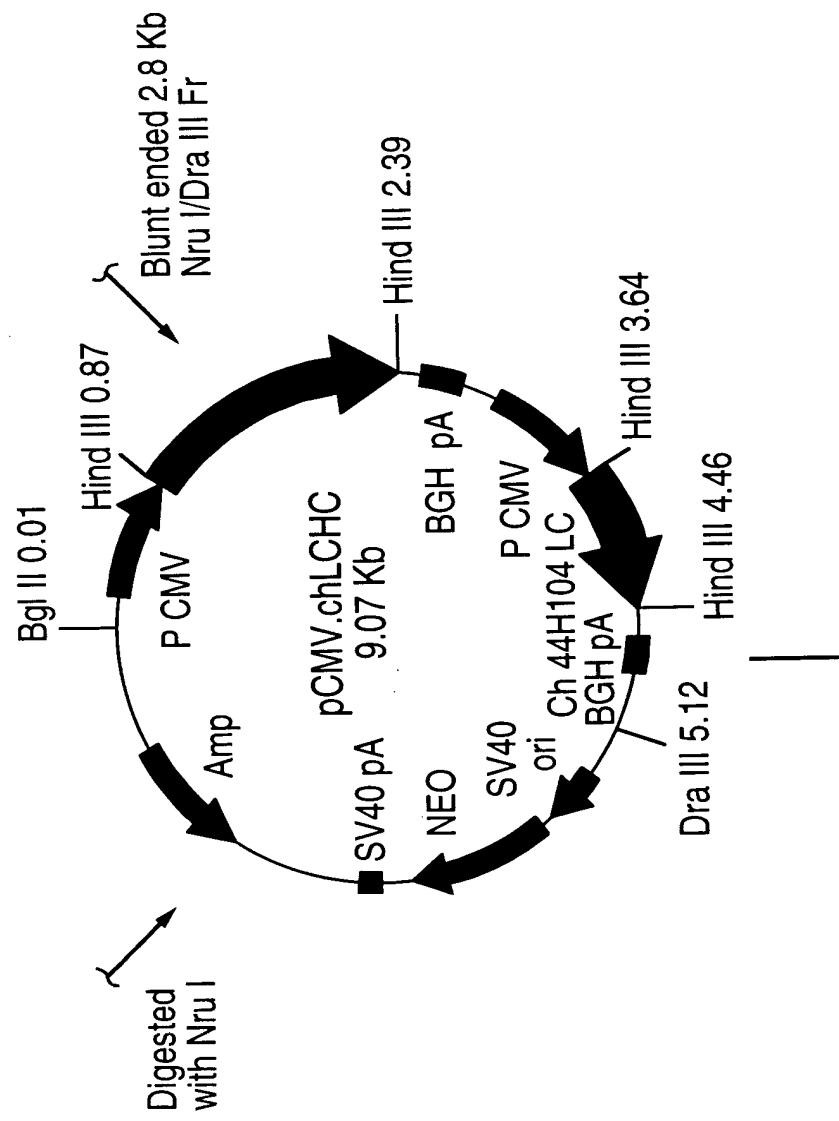


FIG.5B

APPROVED	O.G. FIG.
BY	
DRAFTSMAN	CLASS SUBCLASS

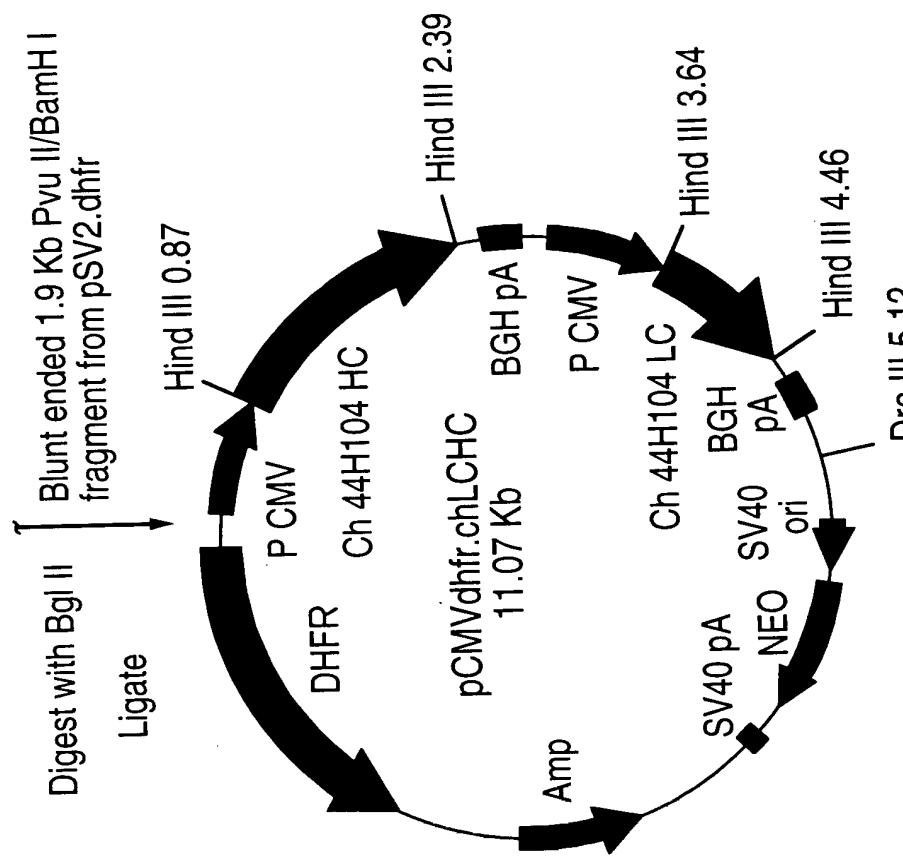


FIG.5C

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

Epitope Recognition on Recombinant H⁺L⁺ Human
Chimeric Antibody Bound to HLA-DR
Anti-Human IgG

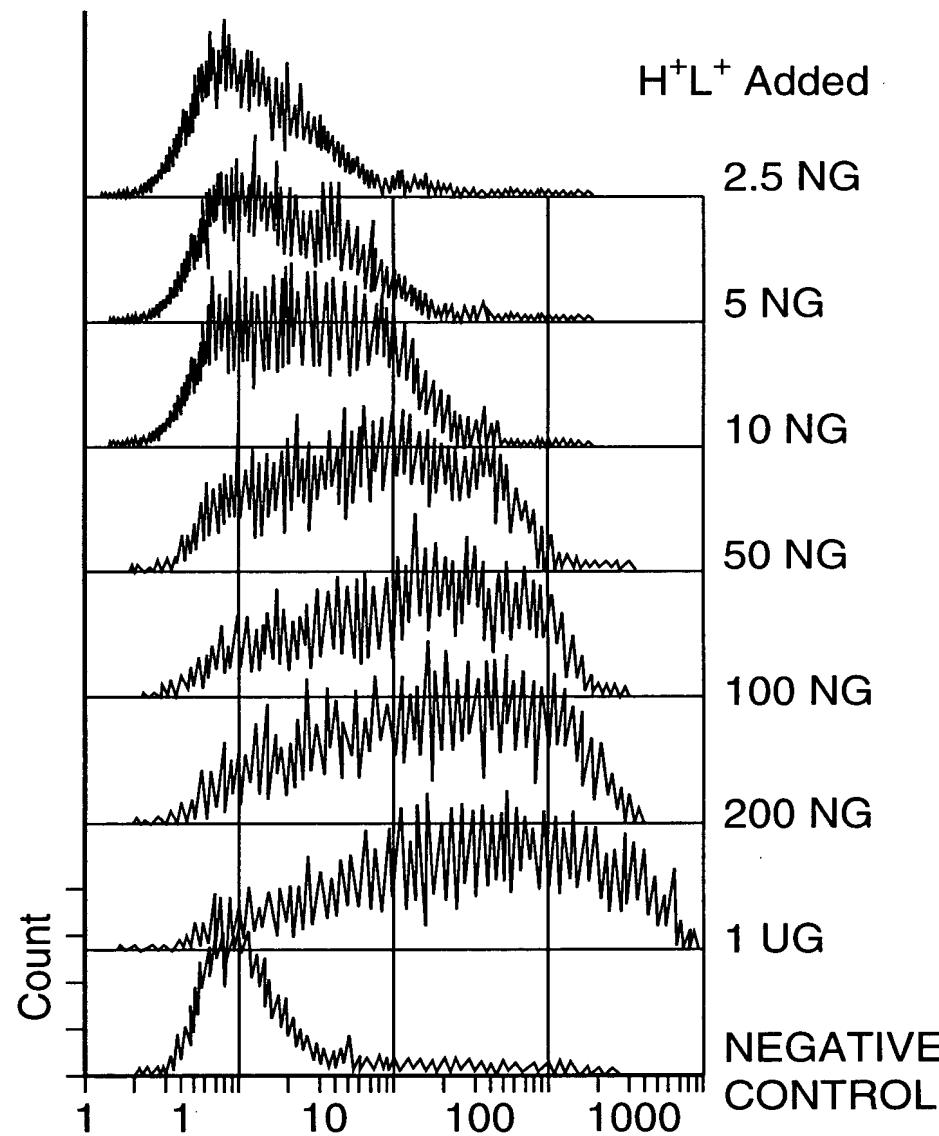


FIG. 6A

APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

Epitope Recognition on Recombinant H⁺L⁺ Human
Chimeric Antibody Bound to HLA-DR
Anti-CLTB-36

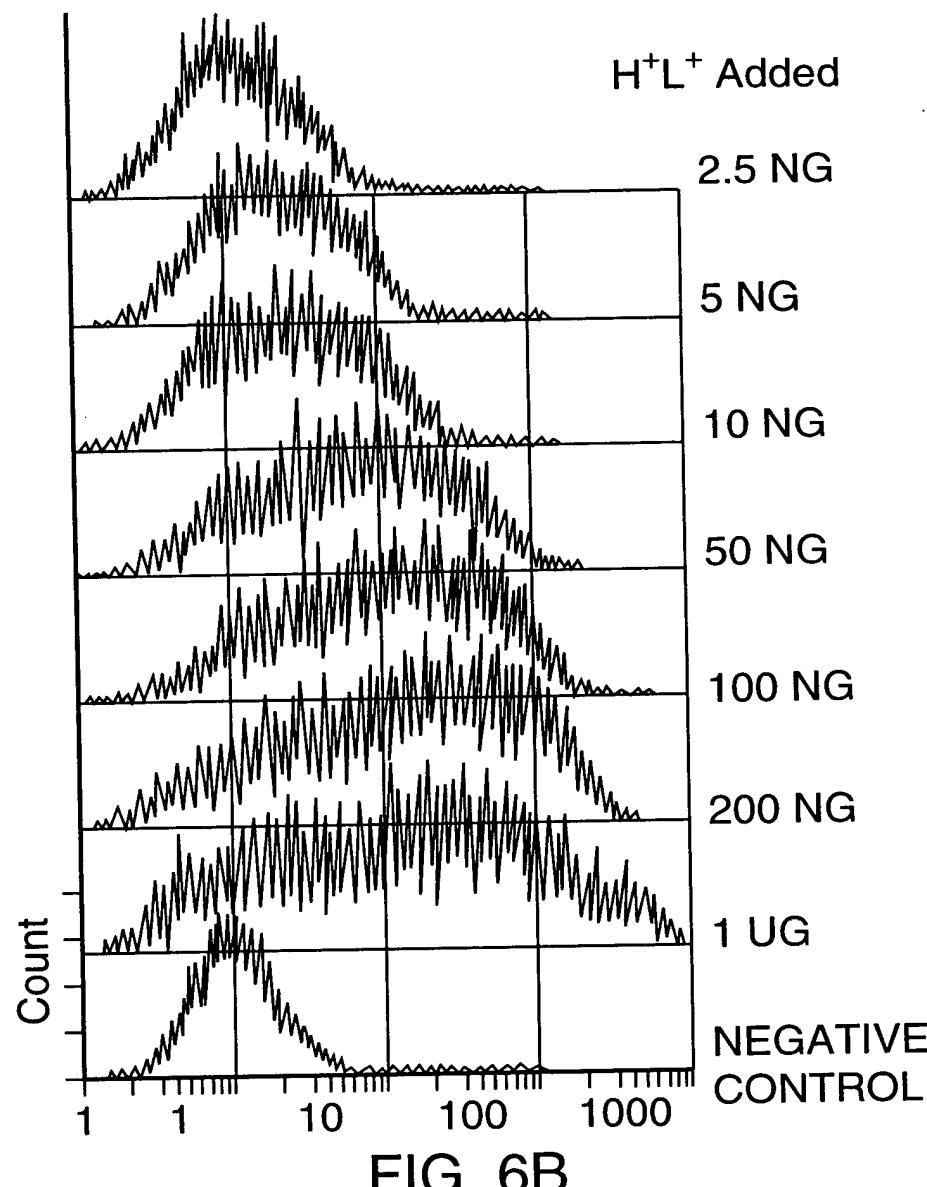


FIG. 6B

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

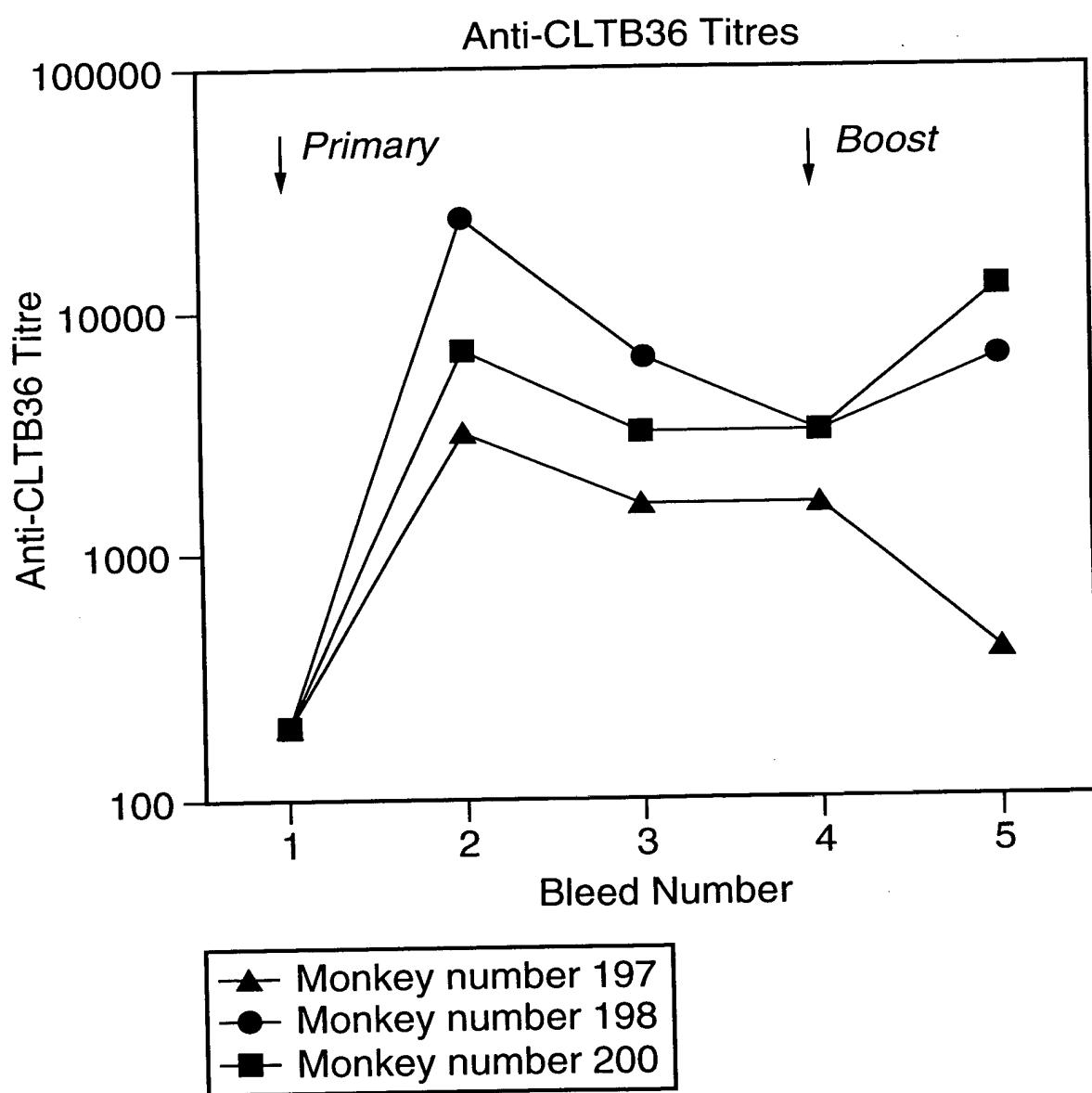


FIG.7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

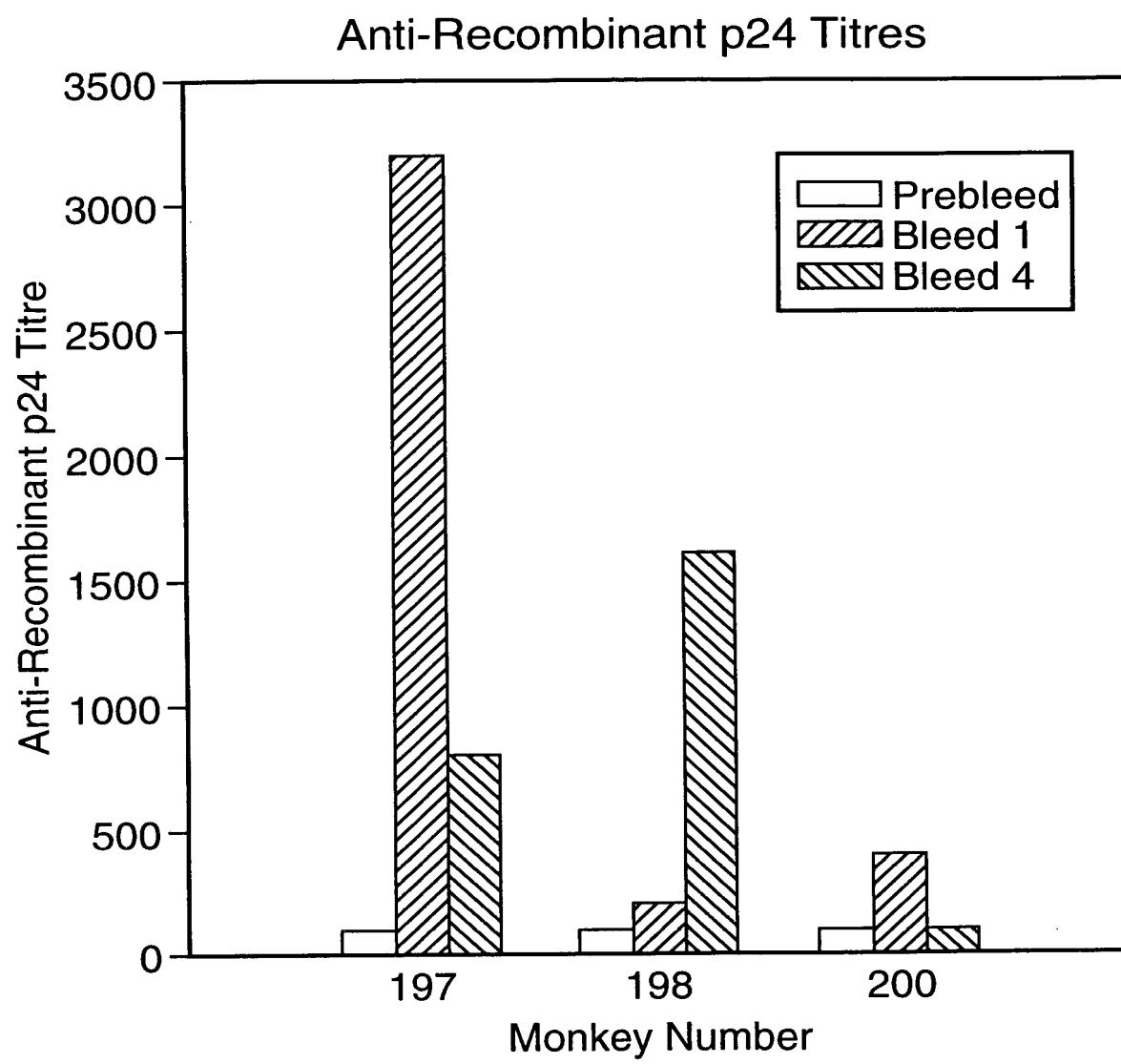
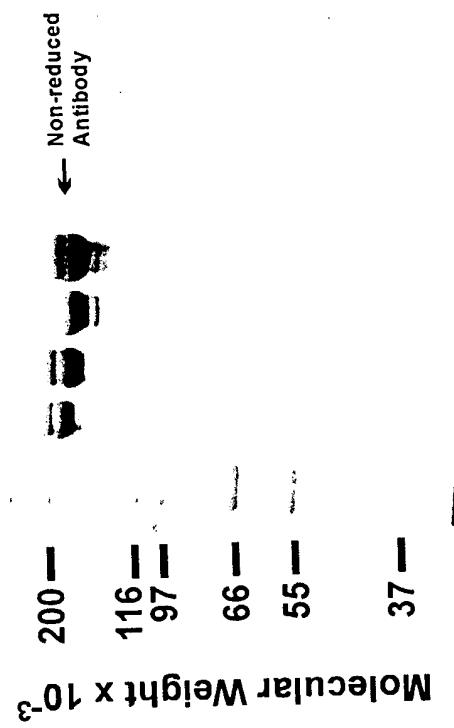


FIG.8

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

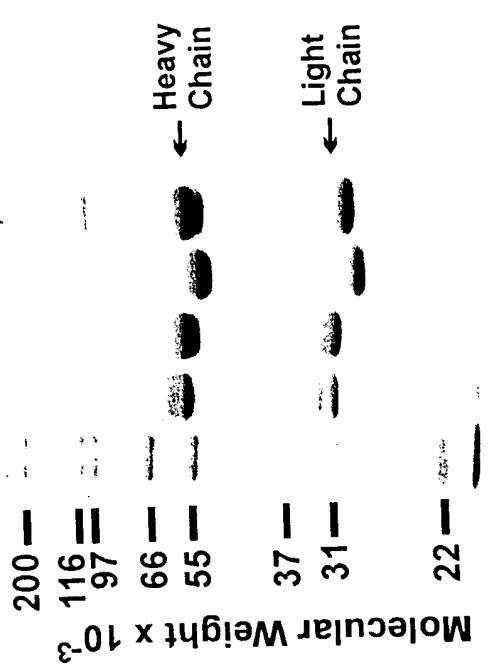
A - Non-Reduced

1 2 3 4 5



B - Reduced

1 2 3 4 5



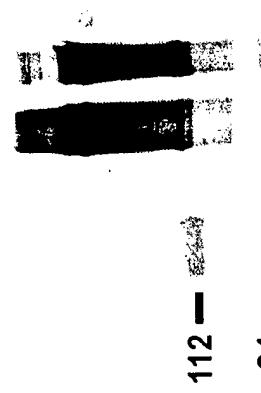
- Lane 1 Molecular weight standards
- Lane 2 Recombinant targeting antibody - Protein A purified
- Lane 3 Recombinant targeting antibody - gel filtration purified
- Lane 4 Mouse monoclonal antibody 44H104
- Lane 5 Human IgG₁

FIG. 9.

APPROVED	O.G. FIG.
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DRAFTSMAN	CLASS SUBCLASS

A - Non-Reduced

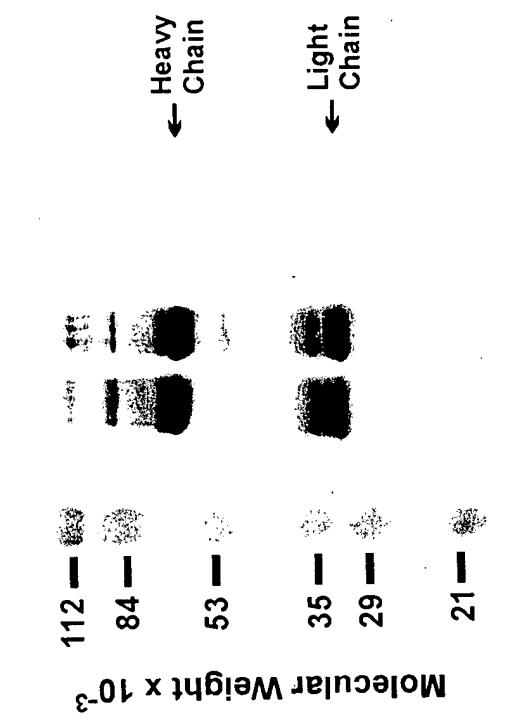
1 2 3 4 5 6



Molecular Weight x 10^{-3}

B - Reduced

1 2 3 4 5 6



Molecular Weight x 10^{-3}

Lane 1 Molecular weight standards

Lane 2 Blank lane

Lane 3 Recombinant targeting antibody - Protein A purified
Lane 4 Recombinant targeting antibody - gel filtration
purified

Lane 5 Mouse monoclonal antibody 44H104
Lane 6 Human IgG₁

FIG.10.